

REMARKS

The specification has been amended as needed so as to place this application in condition for disposal at the time of the next Official Action.

Reconsideration is respectfully requested, for the suggestion to show a trigger in the drawings. Devices of this type all have triggers of one type or another; and persons of ordinary skill in this art know this and know how to provide any of a variety of triggers to release the mechanism of the present invention. The invention thus being enabled for those of ordinary skill in this art, no showing of the trigger is needed.

Notice also that the trigger is not claimed.

Claim 7 has been amended so as to make plain the function of the O-ring in the present invention, which is completely different from that of the prior art. In the present invention, the O-ring moves with the plunger from the Fig. 1 position to the Fig. 2 position; but when 12 strikes 14, 3 is stopped but plunger 7 continues, with movement relative to the O-ring.

Thus, in a first phase of movement of the device, the plunger and the O-ring travel together; but in a second phase of movement of the device, the O-ring stops but the plunger continues.

Reconsideration is accordingly respectfully requested, for the rejection of the claims as anticipated by GABRIEL et al.

GABRIEL et al. discloses an arrangement in which an "O" ring is provided between two rotary elements, namely the flange 74 of a first ridged or flanged sleeve 70 and the flange 94 of the second sleeve 92 (see column 8, lines 63-66). The "O" ring 98 acts as a slip coupling or slip clutch to transmit rotary movement applied to the first flanged sleeve 70 by the adjusting member 65 to the second flanged sleeve 92 (see column 9, lines 6-10). The coupling or "O" ring 98 allows rotary slippage between the flanged sleeve 70 and the second flanged sleeve 92 and the second flanged sleeve 92 is prevented from rotating when the plunger 18 has moved to its maximum extension.

It will be appreciated that the function, disposition and operation of the "O" ring of the GABRIEL et al. device is entirely different from that of the present invention. In the present invention, the "O" ring transmits movement from the plunger to the syringe to move the syringe from its first to its second position. This movement is inherently linear as opposed to rotary. After the syringe has reached its second position, the "O" ring slides linearly relative to the plunger as the plunger moves into the syringe to express the dose. The GABRIEL et al. arrangement is purely rotary and has no contact with the syringe.

There is no disclosure in GABRIEL et al. of an arrangement in which a plunger with its free end position within the rear end of the syringe carries an "O" ring which rests against an enlarged head of the rear end of the syringe

container. There is no disclosure of an arrangement in which a primary (linear) movement of the plunger, under the bias of an actuating bias member, transmits a frictional force to the "O" ring to cause the syringe container to be moved by the "O" ring. Nor is there any disclosure of an arrangement in which, on reach a second (forward) position, the frictional grip between the plunger and the "O" ring is overcome.

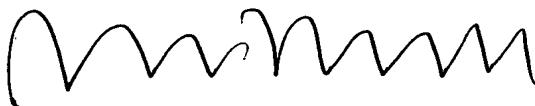
Thus, GABRIEL et al. really has nothing whatsoever to do with the present invention; and the claims as now amended make this clear.

In view of the present amendment and the foregoing remarks, therefore, it is believed that this application has been placed in condition for allowance, and reconsideration and allowance are respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

YOUNG & THOMPSON



Robert J. Patch, Reg. No. 17,355
745 South 23rd Street
Arlington, VA 22202
Telephone (703) 521-2297
Telefax (703) 685-0573
(703) 979-4709

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